## AMENDMENTS TO THE CLAIMS

- (Currently Amended) An apparatus comprising:
- a plurality of motors coupled to a single <u>drive</u> shaft <u>disposed through a center</u> portion of said plurality of motors.
  - a plurality of motor control devices coupled to the plurality of motors, and
- a first plurality of bearings set and a second bearing set each coupled to the motors and the shaft, each of the plurality of bearings sets having including a plurality of concentric bearings sets arranged circularly, said first bearing set and said second bearing set sharing a common rotating sleeve disposed between said first bearing set and said second bearing set.

wherein the plurality of motors, the plurality of motor control devices and the plurality of bearings continue to control the shaft rotation speed upon failure of one of the plurality of motors, the plurality of motor control devices, and the plurality of bearings.

- (Original) The apparatus of claim 1, further comprising: a bearing failure detection device coupled to the shaft.
- 3. (Original) The apparatus of claim 1, further comprising:
  - a fan blade coupled to a hub and the shaft,
  - a housing coupled to the plurality of motors, and
  - a heat sink coupled to the housing.
- (Original) The apparatus of claim 1, wherein the plurality of motors each rotate
  in one of a same direction and an opposite direction.
- 5. (Currently Amended) The apparatus of claim 1, wherein the plurality of bearings each having at least another -plurality of rotating sleeves.
- 6. (Currently Amended) The apparatus of claim 5, wherein-further comprising the plurality of rotating sleeves includes one of a bushing and a bearing set, a bushing and a plurality of third bearing sets, and a plurality of bearing sets, wherein the plurality of bearing sets are concentric.

042390.P13383 2 10/038,164

- (Original) The apparatus of claim 6, wherein at least two of the plurality of sleeves are coupled with a frangible link.
- (Previously Amended) The apparatus of claim 2, wherein the bearing failure 8. detection device includes an optical emitter/receiver device, the optical emitter/receiver device transmits signals to a circuit, the transmitted signals include rotation information.
- (Original) The apparatus of claim 8, wherein the rotation information includes 9. information of rotational speed from one of the shaft, the plurality of bearings, and the shaft and the plurality of bearings.
- (Previously Amended) The apparatus of claim 2, wherein the bearing failure 10 detection device includes at least one strain gauge device, the strain gauge device transmits signals to a circuit, the transmitted signals include information on a failing bearing of the plurality of bearings.
- (Original) The apparatus of claim 1, wherein the plurality of motors each having at least one pair of bifilar windings.
- (Original) The apparatus of claim 11, wherein each of a plurality of single 12. electrical pads are coupled to the at least one pair of bifilar windings and the plurality of motor control devices are each coupled to one of the plurality of single electrical pads.
- 13. (Original) The apparatus of claim 11, wherein each of a plurality of pairs of electrical pads are coupled to the at least one pair of bifilar windings, and at least two motor control devices of the plurality of motor control devices are coupled in parallel a single pair of the plurality of pairs of electrical pads.
- (Withdrawn) An apparatus comprising: at least one motor coupled to a shaft, at least one bearing coupled to the at least one motor and the shaft, the at least one bearing having a plurality of rotating sleeves.

14.

(Withdrawn) The apparatus of claim 14, wherein the plurality of rotating sleeves 15. each have a bearing set.

042390 P13383 10/038.164

- 16. (Withdrawn) The apparatus of claim 15, wherein the bearing set includes one of a plurality of ball bearings and a plurality of roller bearings.
- 17. (Withdrawn) The apparatus of claim 15, wherein the plurality of rotating sleeves includes one of a bushing and a bearing set, a bushing and a plurality of bearing sets, and a plurality of bearing sets.
- 18. (Withdrawn) The apparatus of claim 17, wherein at least two of the plurality of sleeves are coupled with a frangible link.
- (Withdrawn) An apparatus comprising: at least one motor coupled to a shaft, the at least one motor having at least eight magnetic lobes.
- (Withdrawn) The apparatus of claim 19, further comprising:
   at least one electrical pad coupled to the at least eight magnetic lobes, and
   at least one motor control device coupled to the at least one electrical pad.
- 21. (Withdrawn) The apparatus of claim 19, further comprising: at least two electrical pads coupled to the at least eight magnetic lobes, and at least two motor control devices coupled in parallel to each of the at least two electrical pads.
- 22. (Withdrawn) The apparatus of claim 21, wherein the at least two motor control devices operate simultaneously.
- 23. (Withdrawn) The apparatus of claim 21, wherein the at least two motor control devices operate independently.
- 24. (Currently Amended) A fan system comprising:
- a plurality of motors coupled to a single <u>drive</u> shaft <u>disposed through a center</u> <u>portion of said plurality of motors</u>,
  - a plurality of motor control devices coupled to the plurality of motors.
- a <del>plurality offirst</del> bearings <u>set and a second bearing set each</u> coupled to the motors and the shaft, each of the plurality of bearings <u>sets</u> ha<del>ving including</del> a plurality

042390.P13383 4 10/038.164

of concentric bearings arranged circularlysets, said first bearing set and said second bearing set sharing a common rotating sleeve disposed between said first bearing set and said second bearing set.

- a bearing failure detection device coupled to the shaft.
- a fan blade coupled to a hub and the shaft,
- a housing coupled to the plurality of motors, and
- a heat sink coupled to the housing.

wherein the plurality of motors, the plurality of motor control devices and the plurality of bearings continue to rotate the fan blade upon failure of one of the plurality of motors, the plurality of motor control devices, and the plurality of bearings.

- 25. (Original) The fan system of claim 24, wherein the plurality of motors each rotate in one of a same direction and an opposite direction.
- 26. (Currently Amended) The fan system of claim 24, wherein the plurality of bearings each having at plurality of least another rotating sleeves.
- 27. (Currently Amended) The fan system of claim 26, wherein the plurality of rotating elseves includes further comprising one of a bushing and a third bearing set, a bushing and a plurality of hird bearing sets, and a plurality of hearing sets, wherein the plurality of bearing sets are concentrie.
- 28. (Original) The fan system of claim 24, wherein the bearing failure detection device includes an optical emitter/receiver device, the optical emitter/receiver device transmits signals to a circuit, the transmitted signals include rotation information.
- 29. (Original) The fan system of claim 24, wherein the plurality of motors each having at least one pair of bifilar windings.